2000 psi minimum poured concrete wall.

Southern Yellow Pine specific gravity = 0.55; allowable load per anchor = 336 lbs.

Source Pine Fire specific gravity = 0.42: allowable load per anchor = 274 lbs.

Spruce Pine Fir specific gravity = 0.42; allowable load per anchor = 274 lbs.

Anchor: 3/8" dia x 3" long Simpson Strong-Tie Sleeve-All.

Washer: 7/8" O.D. / 7/16" I.D. min; must conform to ANSI B18.22.1 type A.

3" minimum anchor edge distance required.

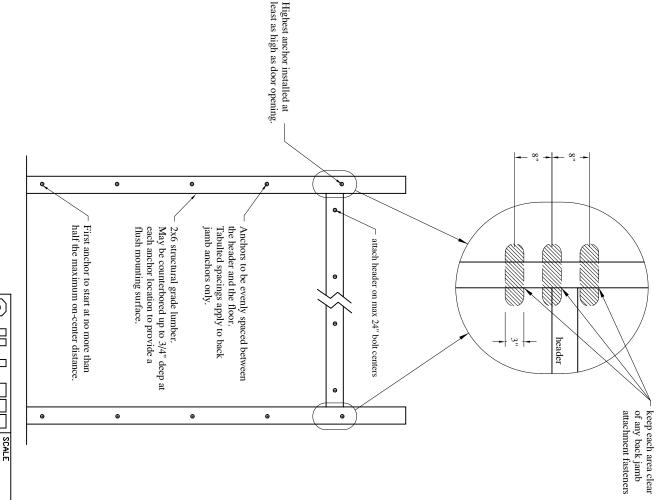
1-1/2" minimum embedment required.

Maximum spacing shown in chart. Lesser spacing may be used to avoid interference with door component system.

Spring pad connection not included.

Maximum load per jamb = $0.5 \times door$ width x max positive pressure x door height

1/12.8 1/12.8 2/15.9 3/19.2 5/26.9 6/31.2 7/35.7 8/38.7 9/42.6 1/12.8 1/12.9 2/15.9 5/26.9 5/26.9 5/26.9 5/26.9 6/31.2 1/13.7 8/38.7 9/42.6 1/12.4 1/12.4 4/22.0 5/25.9 6/30.0 7/34.4 4/22.0 5/25.9 5/25.9 5/25.9 6/30.0 7/34.4 4/22.0 5/25.9 5/25.9 6/30.0 6/30.0 7/34.4 4/22.0 5/25.9 6/30.0 7/34.4 8/37.1 8/37.1 8/37.1	8	10	9/	
12.8 24 15.9 24 19.2 24 22.9 24 26.9 24 25.7 24 25.7 24 15.9 24 15.9 24 19.2 24 22.9 24 23.7 22 23.7 22 38.7 20 38.7 20 38.7 20 38.7 20 38.7 24 42.6 18 42.6 18 42.7 24 15.3 24 25.9 17	9	12	Zone 8 / 37.1	
12.8 24 15.9 24 19.2 24 22.9 24 26.9 24 26.7 24 27.7 24 28.7 23 38.7 23 15.9 24 15.9 24 15.2 24 22.9 24 23.7 22 38.7 20 38.7 20 38.7 20 38.7 24 42.6 18 42.6 18 42.1 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 25.9 17 30.0 14	10	13	7/	
12.8 24 15.9 24 19.2 24 22.9 24 26.9 24 25.7 24 25.7 24 15.9 24 15.9 24 15.9 24 15.9 24 22.9 24 23.7 22 38.7 20 38.7 20 38.7 20 38.7 20 38.7 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 25.9 17	12	14	6/	
12.8 24 15.9 24 19.2 24 22.9 24 26.9 24 25.7 24 25.7 24 15.8 24 19.2 24 19.2 24 22.9 24 23.7 22 24.0 18 33.7 20 38.7 20 38.7 20 38.7 24 15.3 24 18.5 24 22.0 16 34.4 14 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 15.3 24 25.0 20	14	17	5/	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 5/26.9 24 6/31.2 24 7/35.7 23 9/42.6 21 1/12.8 24 2/15.9 24 2/15.9 24 4/22.9 24 5/26.9 24 6/31.2 24 5/25.7 22 8/38.7 20 9/42.6 18 1/12.4 24 4/22.0 22 5/25.9 19 6/30.0 16 7/34.4 14 8/37.1 13 9/40.9 12 1/12.4 24 2/15.3 24 3/18.5 24 2/15.3 24 3/18.5 24 2/15.3 24 2/15.3 24 2/15.3 24 2/15.3 24 3/18.5 24	16	20	Zone 4 / 22.0	18
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 5/26.9 24 6/31.2 24 7/35.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 5/26.9 24 6/31.2 24 5/25.9 24 6/31.2 24 1/12.4 24 2/15.3 24 4/22.0 22 5/25.9 19 6/30.0 16 7/34.4 14 8/37.1 13 9/40.9 12 1/12.4 24 2/15.3 24	19	24	Zone 3 / 18.5	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 6/31.2 24 6/31.2 24 7/35.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 5/26.9 24 4/22.9 24 5/35.7 22 8/38.7 20 9/42.6 18 1/12.4 24 4/22.0 22 5/25.9 19 6/30.0 16 7/34.4 14 8/37.1 13 9/40.9 12 1/12.4 24	23	24	2/	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 5/26.9 24 6/31.2 24 6/37.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 5/26.9 24 6/31.2 24 6/31.2 24 1/12.4 24 2/15.3 24 1/12.4 24 4/22.0 22 5/25.9 19 6/30.0 16 7/34.4 14 8/37.1 13 9/40.9 12	24	24	1/	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 5/26.9 24 6/31.2 24 6/35.7 23 8/38.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 5/26.9 24 6/31.2 24 6/31.2 24 6/31.2 24 1/12.4 24 2/15.3 24 3/18.5 24 4/22.0 22 5/25.9 19 6/30.0 16 7/34.4 14 8/37.1 13	10	12	9/	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 5/26.9 24 6/31.2 24 7/35.7 23 8/38.7 23 9/42.6 21 1/12.8 24 4/22.9 24 4/22.9 24 6/31.2 24 6/31.2 24 1/12.4 24 2/15.3 24 1/12.4 24 4/22.0 22 5/25.9 19 6/30.0 16 7/34.4 14	11	13	8/	
1/12.8 24 2/15.9 24 4/22.9 24 4/32.9 24 6/31.2 24 6/31.7 24 8/38.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 5/26.9 24 6/31.2 24 2/15.3 24 1/12.4 24 2/15.3 24 2/15.3 24 4/22.0 22 5/25.9 19 5/25.9 19	11	14	7/	
1/12.8 24 2/15.9 24 4/32.9 24 5/26.9 24 6/31.2 24 8/38.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 5/26.9 24 6/31.2 24 6/33.7 22 8/38.7 20 9/42.6 18 1/12.4 24 2/15.3 24 3/18.5 24 4/22.0 22 5/25.9 19	13	16	Zone 6 / 30.0	
1/12.8 24 2/15.9 24 4/22.9 24 4/22.9 24 6/31.2 24 6/31.7 24 8/38.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 5/26.9 24 6/31.2 24 6/33.7 22 8/38.7 20 9/42.6 18 1/12.4 24 2/15.3 24 4/22.0 22	15	19	Zone 5 / 25.9	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 6/31.2 24 6/31.7 24 8/38.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 4/22.9 24 6/31.2 24 6/31.2 24 6/31.2 24 9/42.6 18 1/12.4 24 2/15.3 24 2/15.3 24	18	22	Zone 4 / 22.0	16
1/12.8 24 2/15.9 24 4/32.9 24 5/26.9 24 6/31.2 24 1/12.8 24 9/42.6 21 1/12.8 24 4/22.9 24 4/22.9 24 5/26.9 24 6/31.2 24 6/31.2 24 6/31.2 24 6/31.2 24 6/31.2 24 6/31.2 24 6/31.2 24 9/42.6 18 1/12.4 24 2/15.3 24	22	24	Zone 3 / 18.5	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 6/31.2 24 6/31.7 24 8/38.7 23 9/42.6 21 1/12.8 24 4/22.9 24 4/22.9 24 6/31.2 24 6/31.2 24 6/31.2 24 8/38.7 20 9/42.6 18 1/12.4 24	24	24	2/	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 6/31.2 24 6/31.7 24 8/38.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 4/22.9 24 6/31.2 24 6/31.2 24 7/35.7 22 8/38.7 20 9/42.6 18	24	24	1/	
1/12.8 24 2/15.9 24 3/19.2 24 4/22.9 24 6/31.2 24 8/38.7 23 9/42.6 21 1/12.8 24 2/15.9 24 4/22.9 24 4/22.9 24 6/31.2 24 7/35.7 22 8/38.7 20	15	18	9/	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /33.7 24 /38.7 23 /42.6 21 /12.8 24 /15.9 24 /15.9 24 /19.2 24 /26.9 24 /31.2 24 /35.7 22	16	20	/ 8	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /38.7 23 /42.6 21 /12.8 24 /15.9 24 /19.2 24 /26.9 24 /31.2 24	18	22	7	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /38.7 23 /42.6 21 /12.8 24 /15.9 24 /19.2 24 /26.9 24	21	24	Zone 6/31.2	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /38.7 23 /42.6 21 /12.8 24 /15.9 24 /15.9 24 /22.9 24	24	24	Zone 5 / 26.9	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /42.6 21 /12.8 24 /15.9 24 /19.2 24	24	24	Zone 4 / 22.9	10
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /38.7 23 /42.6 21 /15.9 24	24	24	3/	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /38.7 23 /42.6 21 /12.8 24	24	24	2/	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /38.7 23 /42.6 21	24	24	1/	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24 /38.7 23	17	21	Zone 9 / 42.6	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24 /35.7 24	18	23	Zone 8 / 38.7	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24 /31.2 24	20	24	Zone 7 / 35.7	
/12.8 24 /15.9 24 /19.2 24 /22.9 24 /26.9 24	23	24	Zone 6 / 31.2	
/12.8 24 /15.9 24 /19.2 24 /22.9 24	24	24	_	
/12.8 24 /15.9 24 /19.2 24	24	24	_	9
/12.8 24 /15.9 24	24	24	3/	
/ 12.8 24	24	24	Zone 2 / 15.9	
	24	24	_	
Zone / Max Positive Southern Spruce Pine Pressure Yellow Pine Fir	Spruce Pine Fir	Southern Yellow Pine	Zone / Max Positive Pressure	Door Width
On-Center Spacing	Spacing	On-Center		



Alternative design may be approved by a registered professional engineer. Supporting structural elements shall be designed by a registered professional engineer for wind loads in addition to other loads.

Calculation reference: DASMA TDS #161B, 2005 AF&PA NDS for Wood Construction and Simpson Strong-Tie data.

ve Anchor	Concrete Sleeve Anchor
hment Detail	Back Jamb Attachment Detail
DATE 06-22-2006	OVERHEAD DOORS
none	

C.H.I. Drawing: BJA-001-02